

Date: Monday, 02/02/2009 11:52:46 AM  
 User: *Mike Dawson*

## Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : BASKET QUICK RELEASE 350/355
<b>Job Number</b> : 45420	
<b>Estimate Number</b> : 10241	
<b>P.O. Number</b> :	<b>Part Number</b> : DSI 9052011
<b>This Issue</b> : 02/02/2009 <b>S.O. No.</b> :	<b>Drawing Number</b> : DSI 9052 REV D
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : / / <b>Type</b> : PURCHASED PARTS	<b>Drawing Revision</b> : D
<b>Previous Run</b> : 44263	<b>Material</b> :
<b>Written By</b> :	<b>Due Date</b> : 05/02/2009 <b>Qty:</b> 4 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <i>JLD 09.02.02</i>	
<b>Comment</b> : Est Rev:A 02.05.15 New Issue NG	

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	DC	DOCUMENT CONTROL
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*H Co JLD 09/02/05*

**Comment:** DOCUMENT CONTROL

Photocopy bluefile &amp; type labels per PPP 9052-011 CHG001

*S 09/02/06*

2.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1

Pick Packing Kit

3.0	BLRS010	Pip Pin
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**Comment:** Qty.: 4.0000 Each(s)/Unit Total : 16.0000 Each(s)

Pick:

Qty Part Number

Description

Batch

4 BLRS-010

Quick Release Pin (1" grip)

*M 110638*

*JS 09/02/05 (x4)*

4.0	QC4	INSPECT 100% KITS FOR COMPLETENESS
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**Comment:** INSPECT 100% KITS FOR COMPLETENESS

*S 09/02/06 (x4)*

5.0	PACKAGING 1	PACKAGING RESOURCE #1
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**Comment:** PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D9052-011

Location: *RWA*

*JS 09/02/06 (x4)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Monday, 02/02/2009 11:52:46 AM  
User: Julie Dawson

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET QUICK REALEASE 350/355

Job Number: 45420

Part Number: DSI 9052011

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



09/02/09 *[Signature]*

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



*mf* 09-02-09

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**DART**

DESIGN #	DRAWN BY #	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. DSI 9052	REV. D SHEET 1 OF 1
DATE 04.03.23		TITLE QUICK PIN REPLACEMENT	SCALE NTS
A	96.11.04	NEW ISSUE	
B	96.11.13	ADD PART NUMBERS	
C	03.12.11	ADD DSI 9052-013	
D	04.03.23	ADD CLAMPS ONLY NOTE	

## **DART SERVICE INSTRUCTION**

**TO AMEND INSTALLATION INSTRUCTIONS D350-607 REV. F**  
(REF. CANADIAN STC: SH94-14, REF. FAA STC: SR00213NY)  
**AND TO AMEND INSTALLATION DRAWING D350-602 REV. D**  
(REF. CANADIAN STC: SH93-97, REF. FAA STC: SR01144NY)

**PURPOSE: TO ALLOW SUBSTITUTION OF THE BASKET/POD ATTACHMENT BOLTS WITH QUICK RELEASE PINS**

THE AN4-12A & AN4-16A BOLTS USED ON D2230-1 CLAMPS MAY BE REPLACED WITH STAINLESS STEEL POSITIVE LOCKING QUICK RELEASE PINS WITH A MINIMUM DOUBLE SHEAR STRENGTH OF 2400 LBS AND 0.25 INCH DIAMETER.

BOLT	MIN GRIP	POSSIBLE QUICK RELEASE PIN REPLACEMENT
AN4-12A	1.0"	AVIBANK: BLC4B10S, BLC4TA10S, BLC4R10S, BLC4LA10S MS NUMBER: MS17984C410, MS17985C410, MS17986C410, MS17987C410 REID: BLRS-010, BLBS-010
AN4-16A	1.3"	AVIBANK: BLC4B13S, BLC4TA13S, BLC4R13S, BLC4LA13S MS NUMBER: MS17984C413, MS17985C413, MS17986C413, MS17987C413 REID: BLRS-020, BLBS-020

THE FOLLOWING OPTIONAL KITS ARE AVAILABLE FROM DART TO PROVIDE QUICK RELEASE CAPABILITY:

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9052-011	QUICK RELEASE KIT, FOR D350-607-041/-043/-045/-047
	X	DSI 9052-013	QUICK RELEASE KIT, FOR D350-602-011
4	1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
	3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

IT IS ACCEPTABLE TO LEAVE THE D2230-1/-3 CLAMPS INSTALLED ON THE CROSSTUBES WHEN THE BASKET OR POD IS REMOVED.

WEIGHT & BALANCE, FOR CLAMPS ONLY, IS 1.8lb (0.82kg) @ STA 135in (3.43m) & BL ±36in (±0.91m).

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY: 	
D. SHEPHERD (DE # 02)	
DATE: 04.03.23	
CERT. NO.: SH94-14	
ISSUE NO.: 4	

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY: 	
D. SHEPHERD (DE # 02)	
DATE: 04.03.23	
CERT. NO.: SH93-97	
ISSUE NO.: 3	

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